


11701 BAIN SCHOOL RD

19703319

1/11/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
*Barcode Font = IDAutomationHC39M*

FILE NUMBER: 7137B

Revised On: January 3, 2007

APPLICATION NUMBER: 2308

SEPTIC FEE: $200.00
DATE: 05/05/2007
CK # 3905BA

**MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES**
**APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL**

WELL FEE: _____
DATE: _____

**1. SEPTIC / TYPE APPLICATION:** ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN

**2. WELL / TYPE APPLICATION:** ☑ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

**3. JOB LOCATION INFORMATION:**

**TAX PARCEL NUMBER:** 197-033-19
**STREET ADDRESS:** 11701 Bain School Rd
**CITY:** Mint Hill
**STATE:** NC **ZIP:** 28227
**SUBDIVISION NAME:**
**LOT #:** 5 **LOT SIZE (acres):** 40,000
**TOWNSHIP:**

☐ 0-MECKLENBURG ☐ 3-CORNELIUS ☐ 6-HUNTERSVILLE
☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☑ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

**4. BUILDING INFORMATION:**

**BUILDING TYPE:**

☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
☑ HOUSE ☐ OTHER _____

**HEATED SQUARE FOOTAGE:** 3,500
**NUMBER OF BEDROOMS:** 4
**NUMBER OF OCCUPANTS:** 4
**FOUNDATION TYPE:**

☐ CONCRETE SLAB ☑ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

**5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION:** ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

**6. WATER SUPPLY:** ☐ MUNICIPAL ☐ PUBLIC WELL ☑ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

**7. PROPOSED USE OF WELL:** ☐ N/A ☐ IRRIGATION ☑ POTABLE ☐ GEOTHERMAL ☐ OTHER

**8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE** *(1-MOST DESIRED 5-LEAST DESIRED):*

☑ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

**8A. RANK:** _____ _____ _____ _____ _____

**9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.**

| | | | |
|---|---|---|---|
| BURIED CABLES, LANDFILLS, STUMPHOLES | ☐ YES ☑ NO | GRADING/SOIL REMOVAL PERFORMED | ☐ YES ☑ NO |
| EXISTING WASTEWATER SYSTEMS | ☐ YES ☑ NO | JURISDICTIONAL WETLANDS | ☐ YES ☑ NO |
| WELLS, SPRINGS, OR WATER LINES | ☐ YES ☑ NO | APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY | ☐ YES ☑ NO |
| EASEMENTS OR RIGHT-OF-WAYS | ☐ YES ☑ NO | WASTEWATER OTHER THAN DOMESTIC SEWAGE | ☐ YES ☑ NO |

**10. PROPERTY OWNER:**

NAME: Vidal Reyna
ADDRESS: 5217 Lincoln Ave
CITY: Los Angeles
STATE: CA ZIP: 90042
HOME PHONE: 323-254-1146 WORK PHONE: (909) 770-4020
MOBILE PHONE: (909) 770-4020 FAX: (909) 494-7825

**11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**

NAME: EMH&T
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

**12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** 01/19/2007
**13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** N/A

**14. SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:**
If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either 60 months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

Vidal Reyna 04/27/07
Property Owner's or Owner's Legal Representative Signature Date

**15. WELL PERMIT APPLICATION SIGNATURE SECTION:**
If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of 12 months from the date of issuance.

_____
Property Owner's or Owner's Legal Representative Signature Date

☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☐ UN-SCALED SITE PLAN SUBMITTED

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 197-033-19
Lot #: 5
File #: 7137B
AppID: 2308

# SOIL/SITE EVALUATION
# for ON-SITE WASTEWATER SYSTEM

Owner: Vidal Revna
Applicant:
Address: 5217 Lincoln Ave., Los Angeles, N. C. 90042
Date Evaluated: 7/20/07
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: Approx. 1.0a
Location of Site: Off Bain School Road
Property Recorded:
Water Supply: [ ] Public [ x ] Individual [ x ] Well [ ] Spring [ ] Other
Evaluation Method: [ x ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ x ] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS, 10 | 0-23 | GR/L | FR/SEXP/SS/SP | >40" TO SOIL WETNESS | 40 | N/A | NONE | PS, IV |
| | | 23-40 | SBK/ABK/C | FI/SEXP/S/P | | | | | .25GPD/FT$^2$ |
| 2 | LS, 8 | 0-23 | GR/CL | FR/SEXP/SS/SP | >48 " TO SOIL WETNESS | 48 | " | " | PS, IV |
| | | 23-48 | SBK/ABK/C | FI/SEXP/S/P | | | | | .3GPD/FT$^2$ |
| 3 | LS, 12 | 0-4 | GR/CL | FR/SEXP/SS/SP | >44" TO SOIL WETNESS | 44 | " | " | " |
| | | 4-44 | SBK/ABK/C | FI/SEXP/S/P | | | | | |
| 4 | LS, 8 | 0-5 | GR/SCL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48 | " | " | " |
| | | 5-48 | SBK/ABK/C | FI/SEXP/S/P | | | | | |
| | | | | | SITE LTAR .3GPD/FT$^2$ | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | | |

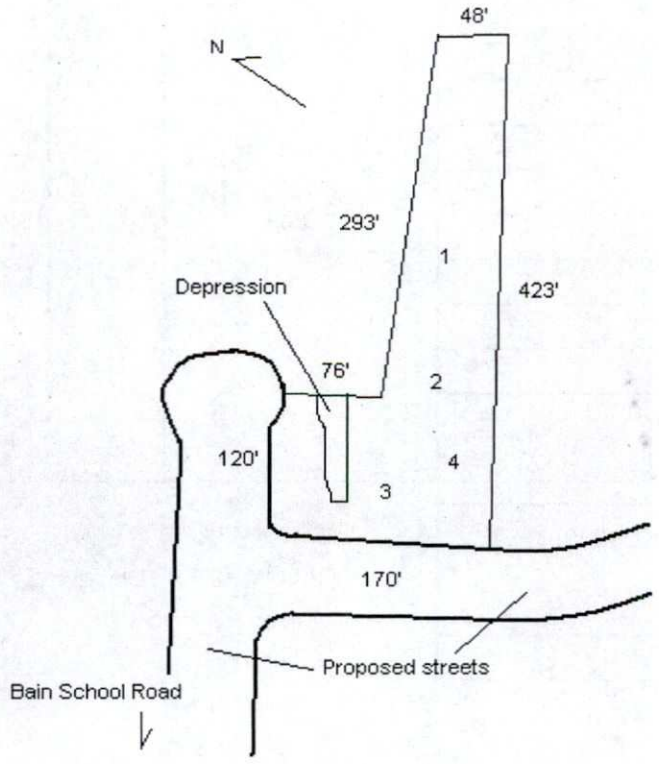
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 7/23/2007, W. R. Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

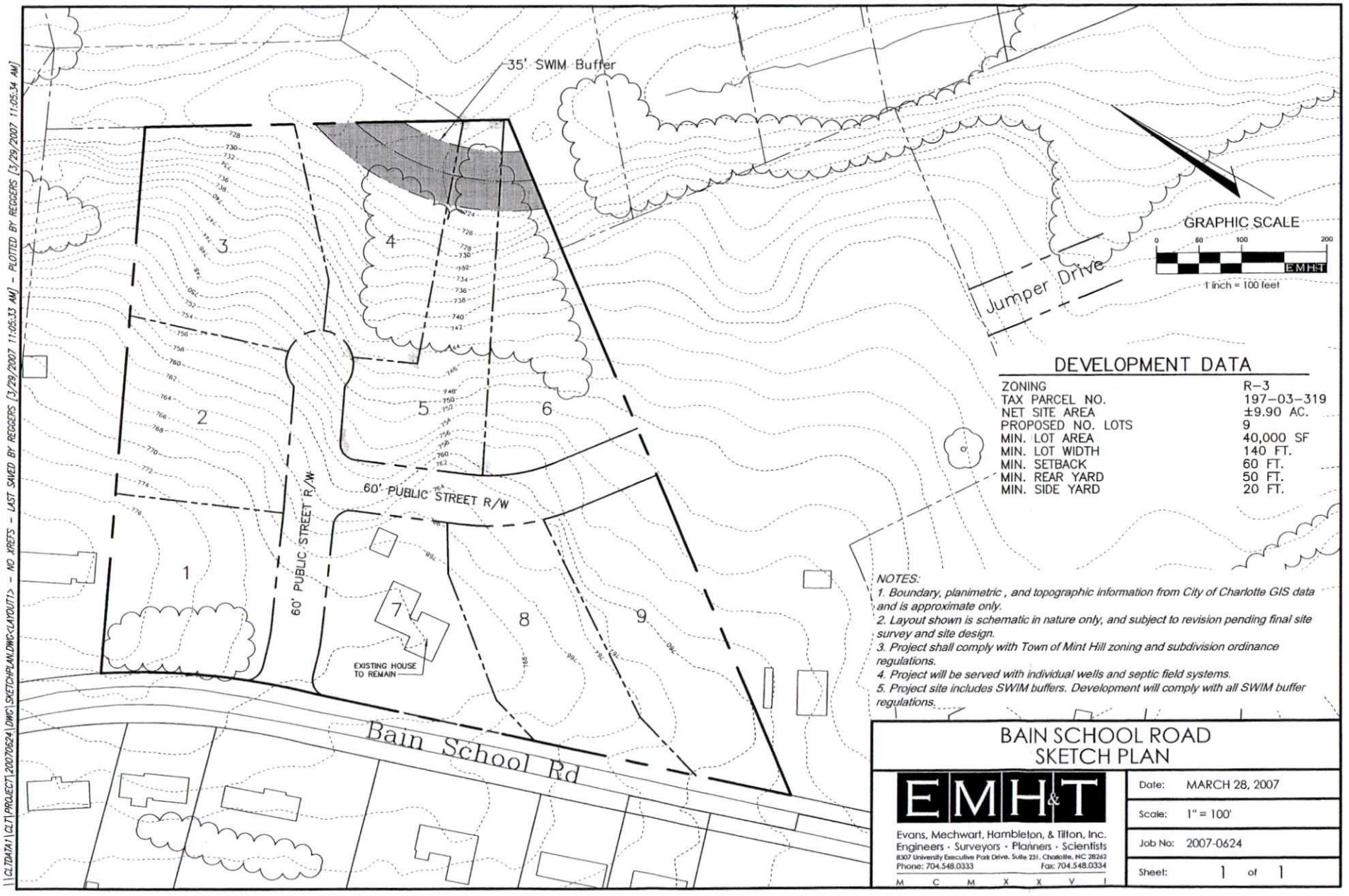
**COMMENTS:**
100% repair

| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | SG-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | M-Massive |
| LS-Linear Slope | | | | CR-Crumb |
| FS-Foot Slope | II | SL-Sandy Loam | 0.8 - 0.6 | GR-Granular |
| NS-Nose Slope | | L-Loam | | SBK-Subangular Blocky |
| HS-Head Slope | | | | ABK-Angular Blocky |
| CC-Concave Slope | III | SI-Silt | 0.6 - 0.3 | PL-Platy |
| CV-Convex Slope | | SICL-Silty Clay Loam | | PR-Prismatic |
| T-Terrace | | | | |
| FP-Flood Plain | | CL-Clay Loam | | |
| | | SCL-Sandy Clay Loam | | |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | |
| | | SIC-Silty Clay | | |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | NS-Non-Sticky | SEXP-Slightly Expansive |
| FR-Friable | SS-Slightly Sticky | EXP-Expansive |
| FI-Firm | S-Sticky | |
| VFI-Very Firm | VS-Very Sticky | |
| EFI-Extremely Firm | NP-Non-Plastic | |
| | SP-Slightly Plastic | |
| | P-Plastic | |
| | VP-Very Plastic | |

**Sketch of Soil Evaluation Locations**






## DEVELOPMENT DATA

| | |
|---|---|
| ZONING | R-3 |
| TAX PARCEL NO. | 197-03-319 |
| NET SITE AREA | ±9.90 AC. |
| PROPOSED NO. LOTS | 9 |
| MIN. LOT AREA | 40,000 SF |
| MIN. LOT WIDTH | 140 FT. |
| MIN. SETBACK | 60 FT. |
| MIN. REAR YARD | 50 FT. |
| MIN. SIDE YARD | 20 FT. |

*NOTES:*

*1. Boundary, planimetric , and topographic information from City of Charlotte GIS data and is approximate only.*

*2. Layout shown is schematic in nature only, and subject to revision pending final site survey and site design.*

*3. Project shall comply with Town of Mint Hill zoning and subdivision ordinance regulations.*

*4. Project will be served with individual wells and septic field systems.*

*5. Project site includes SWIM buffers. Development will comply with all SWIM buffer regulations.*

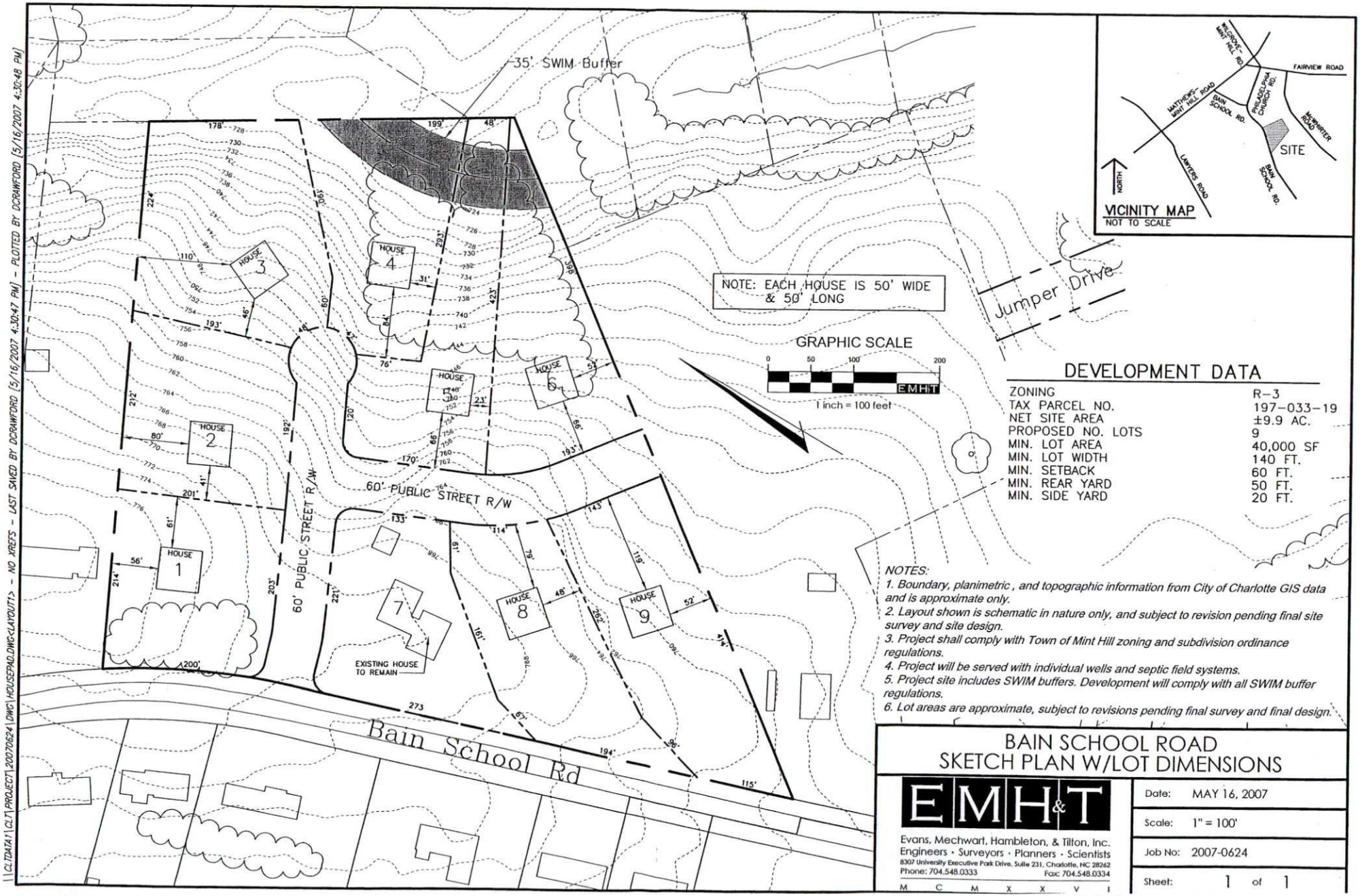
# BAIN SCHOOL ROAD SKETCH PLAN

EMH&T
Evans, Mechwart, Hambleton, & Tilton, Inc.
Engineers · Surveyors · Planners · Scientists
8307 University Executive Park Drive, Suite 231, Charlotte, NC 28262
Phone: 704.548.0333 Fax: 704.548.0334

M C M X X V I

| | |
|---|---|
| Date: | MARCH 28, 2007 |
| Scale: | 1" = 100' |
| Job No: | 2007-0624 |
| Sheet: | 1 of 1 |

I:\CLTDATA\CLT\PROJECT\20070624\DWG\SKETCHPLAN.DWG<LAYOUT1> - NO XREFS - LAST SAVED BY REGGERS [3/29/2007 11:05:33 AM] - PLOTTED BY REGGERS [3/29/2007 11:05:34 AM]




## DEVELOPMENT DATA

| | |
|---|---|
| ZONING | R-3 |
| TAX PARCEL NO. | 197-033-19 |
| NET SITE AREA | ±9.9 AC. |
| PROPOSED NO. LOTS | 9 |
| MIN. LOT AREA | 40,000 SF |
| MIN. LOT WIDTH | 140 FT. |
| MIN. SETBACK | 60 FT. |
| MIN. REAR YARD | 50 FT. |
| MIN. SIDE YARD | 20 FT. |

*NOTES:*

1. *Boundary, planimetric , and topographic information from City of Charlotte GIS data and is approximate only.*
2. *Layout shown is schematic in nature only, and subject to revision pending final site survey and site design.*
3. *Project shall comply with Town of Mint Hill zoning and subdivision ordinance regulations.*
4. *Project will be served with individual wells and septic field systems.*
5. *Project site includes SWIM buffers. Development will comply with all SWIM buffer regulations.*
6. *Lot areas are approximate, subject to revisions pending final survey and final design.*

# BAIN SCHOOL ROAD
# SKETCH PLAN W/LOT DIMENSIONS

EMH&T
Evans, Mechwart, Hambleton, & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
8307 University Executive Park Drive, Suite 231, Charlotte, NC 28262
Phone: 704.548.0333 Fax: 704.548.0334

MCMXXVI

| | |
|---|---|
| Date: | MAY 16, 2007 |
| Scale: | 1" = 100' |
| Job No: | 2007-0624 |
| Sheet: | 1 of 1 |

I:\CLTDATA\CLT\PROJECT\20070624\DWG\HOUSEPAD.DWG<LAYOUT1> - NO XREFS - LAST SAVED BY DCRAWFORD [5/16/2007 4:30:47 PM] - PLOTTED BY DCRAWFORD [5/16/2007 4:30:48 PM]